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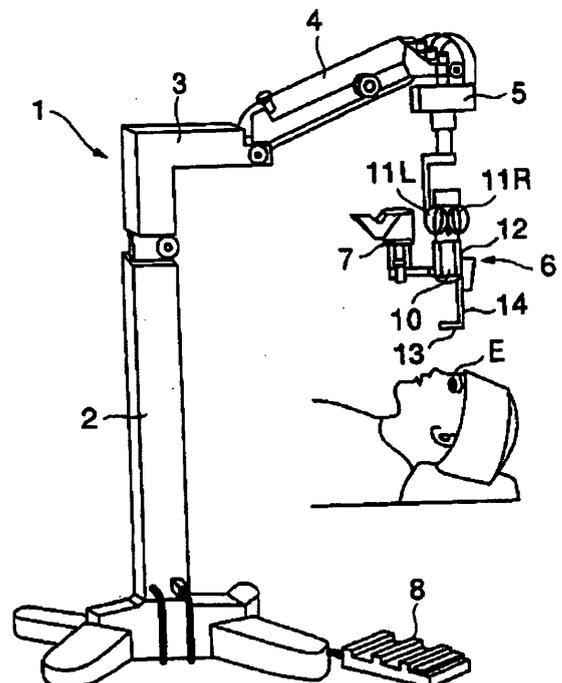
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(54) **A surgical microscope apparatus**

(57) A surgical microscope apparatus 1 comprises an illumination optical system 20, an observation optical system 30, and a controller 60. The illumination optical system 20 has an illumination light source 21 configured to emit an illumination light, and an emission diaphragm 23 and illumination diaphragm 24 both configured to change the angle of the illumination light (illumination angle) with respect to the optical axis of the observation optical system 30. When the illumination angle is changed, the controller 60 determines the intensity of the illumination light based on the illumination angle after the change and illumination-intensity information 62a. Further, the controller 60 controls the illumination light source 21 so as to output an illumination light with the determined intensity. According to the surgical microscope apparatus 1, when the angle of an illumination light that illuminates an eye is changed, an observation image with favorable brightness can be easily obtained.

FIG. 1



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EUROPEAN SEARCH REPORT

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EP 08 01 9801

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 198 56 847 A1 (TOPCON CORP [JP]) 17 June 1999 (1999-06-17)	1-3	INV. G02B21/00 G02B21/18 G02B21/22
Y	* column 4, lines 44-68 * * column 5, line 6 - column 9, line 7 * -----	4-9	
Y	EP 1 455 214 A1 (LEICA MICROSYSTEMS SCHWEIZ AG [CH]) 8 September 2004 (2004-09-08) * paragraphs [0057], [0058]; figure 4 * -----	4-9	
X	US 2006/098274 A1 (KITAJIMA NOBUAKI [JP]) 11 May 2006 (2006-05-11) * paragraphs [0026] - [0032] * -----	1	
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A	WO 2005/122876 A1 (ZEISS CARL SURGICAL GMBH [DE]; OBREBSKI ANDREAS [DE]; MOFFAT ANTON [DE]) 29 December 2005 (2005-12-29) * page 24, line 28 - page 26, line 26; figure 1 * -----	1	
----- The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G02B
Place of search		Date of completion of the search	Examiner
Munich		19 October 2010	Mollenhauer, Ralf
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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EPO FORM 1505 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:
- 1-9
- The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

microscope comprising two blocking members - one for
adapting the shape of the beam to the reflecting member and
another for changing the intensity of the illumination light

2. claims: 10, 11

microscope comprising a light receiver configured to receive
part of the reflected light of the illumination light by the
eye

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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19-10-2010

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